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PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/085,187
Filing Date	February 27, 2002
First Named Inventor	Joseph A. Kwak
Art Unit	2665
Examiner Name	Daniel J. Ryman
Attorney Docket Number	I-2-0203.4US

Total Number of Pages in This Submission

**ENCLOSURES** (Check all that apply)

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form                          | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Technology Center (TC)                   |
| <input checked="" type="checkbox"/> Fee Attached                                  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences                |
| <input type="checkbox"/> Amendment/Reply  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)            |
| <input type="checkbox"/> After Final  | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                                | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                                | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):                    |
| <input type="checkbox"/> Express Abandonment Request                              | <input type="checkbox"/> Terminal Disclaimer                              | Form PTO-1449 w/ a copy of the Korean Office Action with English translation and one (1) reference |
| <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                   | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application         | <input type="checkbox"/> Remarks  |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53      |   |  |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Thomas A. Mattioli	Reg. No. 56,773
	Volpe and Koenig, P.C.	
Signature	<i>Thomas A. Mattioli</i>	
Date	March 6, 2006	

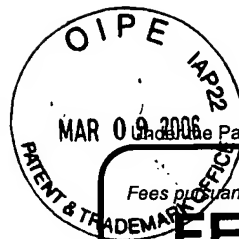
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Thomas A. Mattioli		
Signature	<i>Thomas A. Mattioli</i>	Date	March 6, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ ) 180.00**Complete if Known**

Application Number	10/085,187
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First Named Inventor	Joseph A. Kwak
Examiner Name	Daniel J. Ryman
Art Unit	2665
Attorney Docket No.	I-2-0203.4US

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 09-0435 Deposit Account Name: InterDigital Communications Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
-	=	x	= 0.00	-	-	0.00
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
-	=	x	= 0.00			
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
-	-	/ 50 = (round up to a whole number) x	=	0.00

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement 180.00**SUBMITTED BY**

Signature	<u>Thomas A. Mattioli</u>	Registration No. <u>56,773</u> (Attorney/Agent)	Telephone <u>215-568-6400</u>
Name (Print/Type)	<u>Thomas A. Mattioli</u>	Date <u>March 6, 2006</u>	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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BRINGING LAW TO YOUR IDEAS



March 6, 2006

Thomas A. Mattioli  
Tmattioli@volpe-koenig.com

## NO ACTION REQUIRED

Mr. Robert Paczulla  
Patent Administrator  
InterDigital Communications Corporation  
781 Third Avenue  
King of Prussia, PA 19406-1409

Re: File: I-2-0203.4US  
U.S. Patent Appln. No. 10/085,187  
*METHOD FOR PHYSICAL LAYER AUTOMATIC  
REPEAT REQUEST FOR A SUBSCRIBER UNIT*

Dear Bob:

We have prepared and filed a Supplemental Information Disclosure Statement (SIDS) for the above-identified patent application. A copy of the SIDS is enclosed for your file. We have not enclosed duplicate copies of the references since these were forwarded to you under separate cover for the related Korean application (I-2-0203KR.1). Should you require copies, please advise and we would be happy to provide them to you.

As a reminder, please keep us informed of any additional relevant materials which come to your attention or to the attention of the inventor(s) while this application is pending.

If you have any questions, please contact us.

Very truly yours,

Volpe and Koenig, P.C.

By: Tom  
Thomas A. Mattioli

TAM/ks  
Enclosure



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Joseph A. Kwak

**Application No.:** 10/085,187

**Confirmation No.:** 3548

**Filed:** February 27, 2002

**For:** METHOD FOR PHYSICAL LAYER  
AUTOMATIC REPEAT REQUEST FOR A  
SUBSCRIBER UNIT

**Group:** 2665

**Examiner:** Daniel J. Ryman

**Our File:** I-2-0203.4US

**Date:** March 6, 2006

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. The newly cited document is indicated by an asterisk (\*). A copy of the newly cited document is enclosed.

Each newly cited item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed.

**Applicant:** Joseph A. Kwak  
**Application No.:** 10/085,187

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

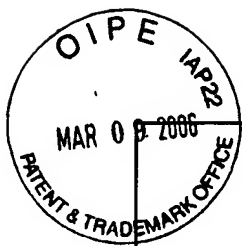
Respectfully submitted,

Joseph A. Kwak

By Thomas A. Mattioli  
Thomas A. Mattioli  
Registration No. 56,773  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

TAM/ks  
Enclosures (2)



<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> I-2-0203.4US		<b>SERIAL NO.</b> 10/085,187	
				<b>APPLICANT</b> Joseph A. Kwak			
				<b>FILING DATE</b> February 27, 2002		<b>GROUP</b> 2665	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,912,705	03/1990	Paneth et al.				
	5,101,406	03/1992	Messenger				
	5,280,498	01/1994	Tymes et al.				
	5,345,439	09/1994	Marston				
	5,345,600	09/1994	Davidson				
	5,351,016	09/1994	Dent				
	5,544,196	08/1996	Tiedemann, Jr. et al.				
	5,570,369	10/1996	Jokinen				
	5,648,969	07/1997	Pasternak et al.				
	5,657,325	08/1997	Lou et al.				
	5,729,557	03/1998	Gardner et al.				
	5,828,677	10/1998	Sayeed et al.				
	5,838,267	11/1998	Wang et al.				
	5,946,320	08/1999	Decker				
	5,956,624	09/1999	Hunsinger et al.				
	5,982,760	11/1999	Chen				
	5,983,382	11/1999	Pauls				
	5,983,383	11/1999	Wolf				
	5,983,384	11/1999	Ross				
	6,021,124	02/2000	Haartsen				
	6,049,549	04/2000	Ganz et al.				
	6,064,692	05/2000	Chow				
	6,128,276	10/2000	Agee				
	6,130,918	10/2000	Humphrey et al				
	6,134,694	10/2000	Uebayashi et al.				
	6,138,260	10/2000	Ketseoglou				
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0203.4US		SERIAL NO. 10/085,187	
				APPLICANT Joseph A. Kwak			
				FILING DATE February 27, 2002		GROUP 2665	
U.S. PATENT DOCUMENTS							
		6,145,108	11/2000	Ketseoglou			
		6,154,489	11/2000	Kleider et al.			
		6,189,123	02/2001	Anders Nystrom et al.			
		6,208,663	03/2001	Schramm et al.			
		6,212,240	04/2001	Scheibel, Jr. et al.			
		6,212,659	04/2001	Zehavi			
		6,233,711	05/2001	Murayama et al.			
		6,272,183	08/2001	Berens et al.			
		6,275,488	08/2001	Cudak et al.			
		6,289,003	09/2001	Raitola et al.			
		6,308,294	10/2001	Ghosh et al.			
		6,317,418	11/2001	Raitola et al.			
		6,359,877	03/2002	Rathonyi et al.			
		6,366,601	04/2002	Ghosh et al.			
		6,370,669	04/2002	Eroz et al.			
		6,449,246	09/2002	Barton et al.			
		6,522,650	02/2003	Yonge et al.			
		6,529,561	03/2003	Sipola			
		6,647,076	11/2003	Schenk et al.			
		6,735,180	05/2004	Malkamäki et al.			
		6,760,860	07/2004	Fong et al.			
		2002/0037058	03/2002	Birru			
		2002/0064167	05/2002	Khan et al.			
		2003/0039226	02/2003	Kwak			

EXAMINER	DATE CONSIDERED
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				APPLICANT Joseph A. Kwak			
				FILING DATE February 27, 2002		GROUP 2665	
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	*	2003-4618	01/2003	KR			
		97118086	07/1999	RU			
		2179370	02/2002	RU			
		2195768	12/2002	RU			
		2001126714	07/2003	RU			
		2221338	01/2004	RU			
		2221339	01/2004	RU			
		2235432	08/2004	RU			
		03/019817	03/2003	WO			
		03/019376	03/2003	WO			
		03/019812	03/2003	WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
		"Hybrid ARQ Methods for FDD in Release 2000," TSG-RAN Working Group 1 Meeting #14, Oulu, Finland, July 4-7, 2000					
		"Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.					

EXAMINER	DATE CONSIDERED
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